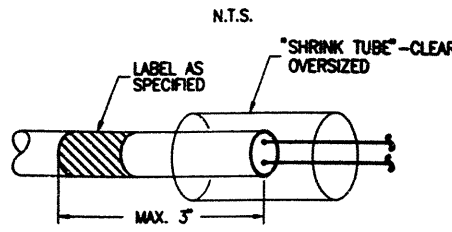


TYPICAL CABLE LABELING METHOD

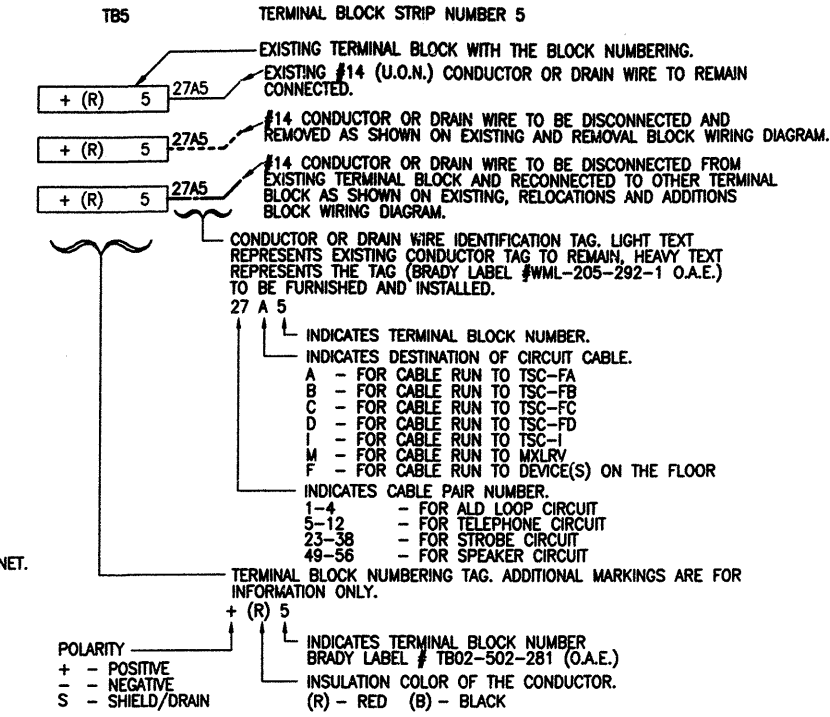


- APPLY LABEL TO OUTER JACKET OF CABLE. MAXIMUM OF 3" FROM STRIPPED END AS SHOWN. NOT TO BE COVERED BY OVERSIZED SHRINK TUBE.
- DETAIL APPLIES TO ALL CABLE TYPES

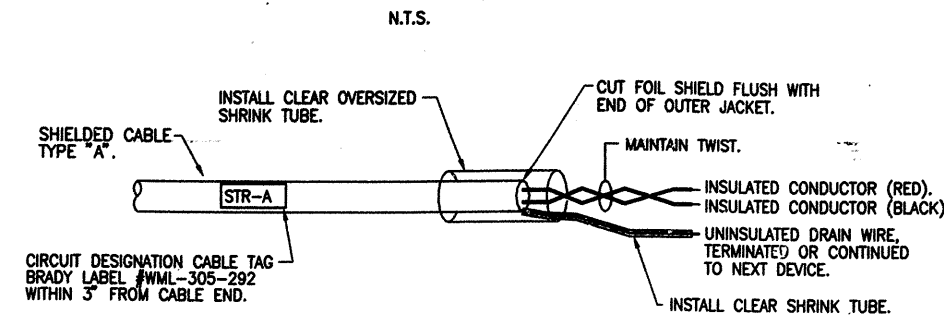
CIRCUIT LEGEND:

| TYPE OF CIRCUIT | CIRCUIT NUMBER OR NAME |
|---|---|
| STR - STROBE CIRCUIT | A TO G - STROBE OR SPEAKER CIRCUIT NUMBER |
| SPK - SPEAKER CIRCUIT | ATC - CIRCUIT TO ADDRESSABLE TERMINAL STRIP CABINET |
| ALD - ALD LOOP DEVICE CIRCUIT (EXCEPT SMOKE DETECTOR) | PS - CIRCUIT TO PULL STATIONS |
| TEL - TELEPHONE CIRCUIT | ELEV - CIRCUIT TO ELEVATOR LOBBY AND ELEVATOR |
| SD - SMOKE DETECTOR CIRCUIT | MACHINE ROOM SMOKE DETECTORS |
| MPJ - MAINTENANCE PHONE JACK CIRCUIT | HVAC - CIRCUIT TO HVAC SMOKE DETECTOR |
| WP - WARDEN TELEPHONE CIRCUIT | AREA IC - CIRCUIT TO OPEN AREA SMOKE DETECTOR |
| SU - STAND PIPE PHONE JACK CIRCUIT | TIB - INTERFACE CABINET CIRCUIT |
| | TIB - TENANT INTERFACE BOX |

TERMINATION LEGEND (EXISTING AND REMOVAL)

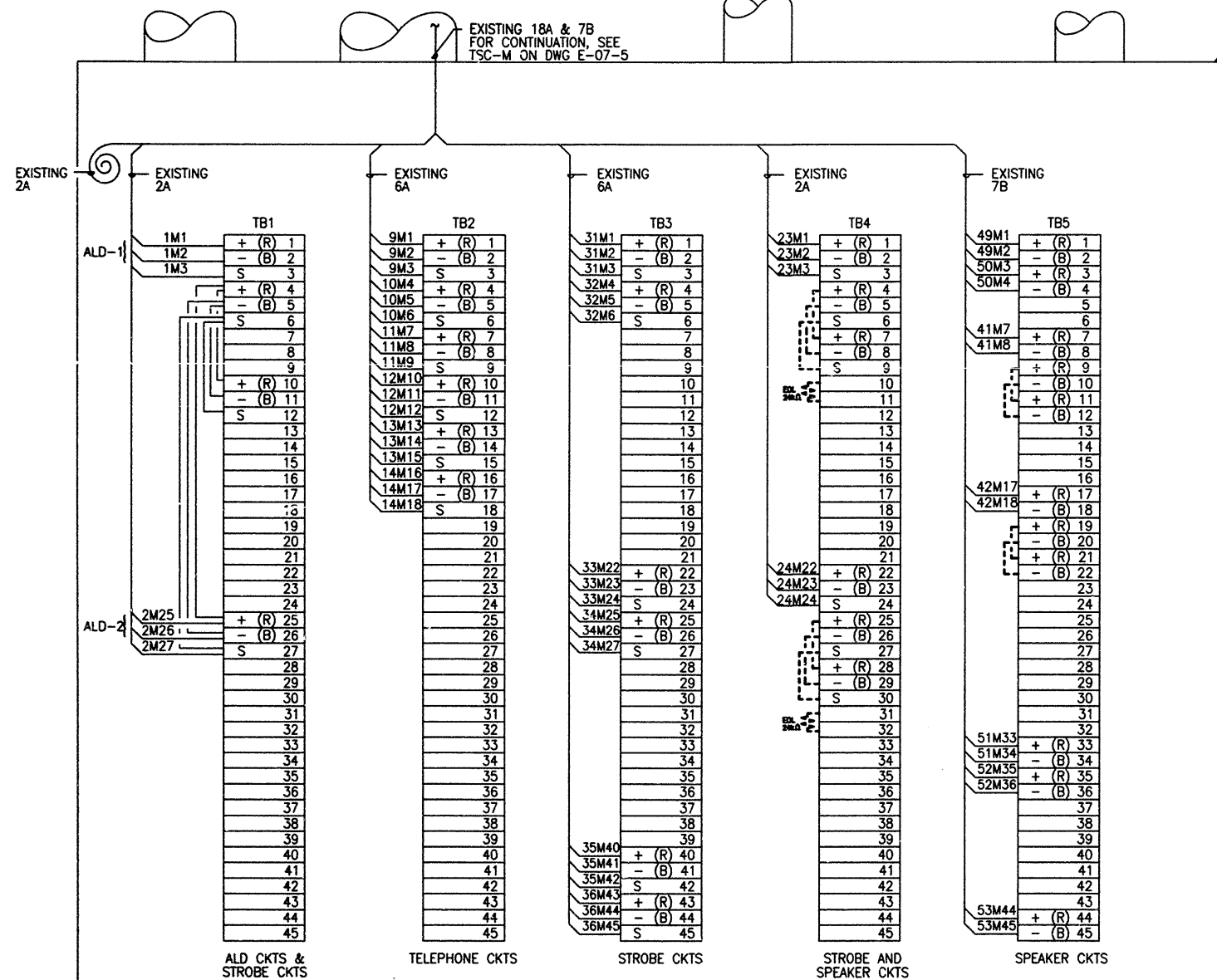


TYPICAL SHIELD/DRAIN INSULATING METHOD "A"

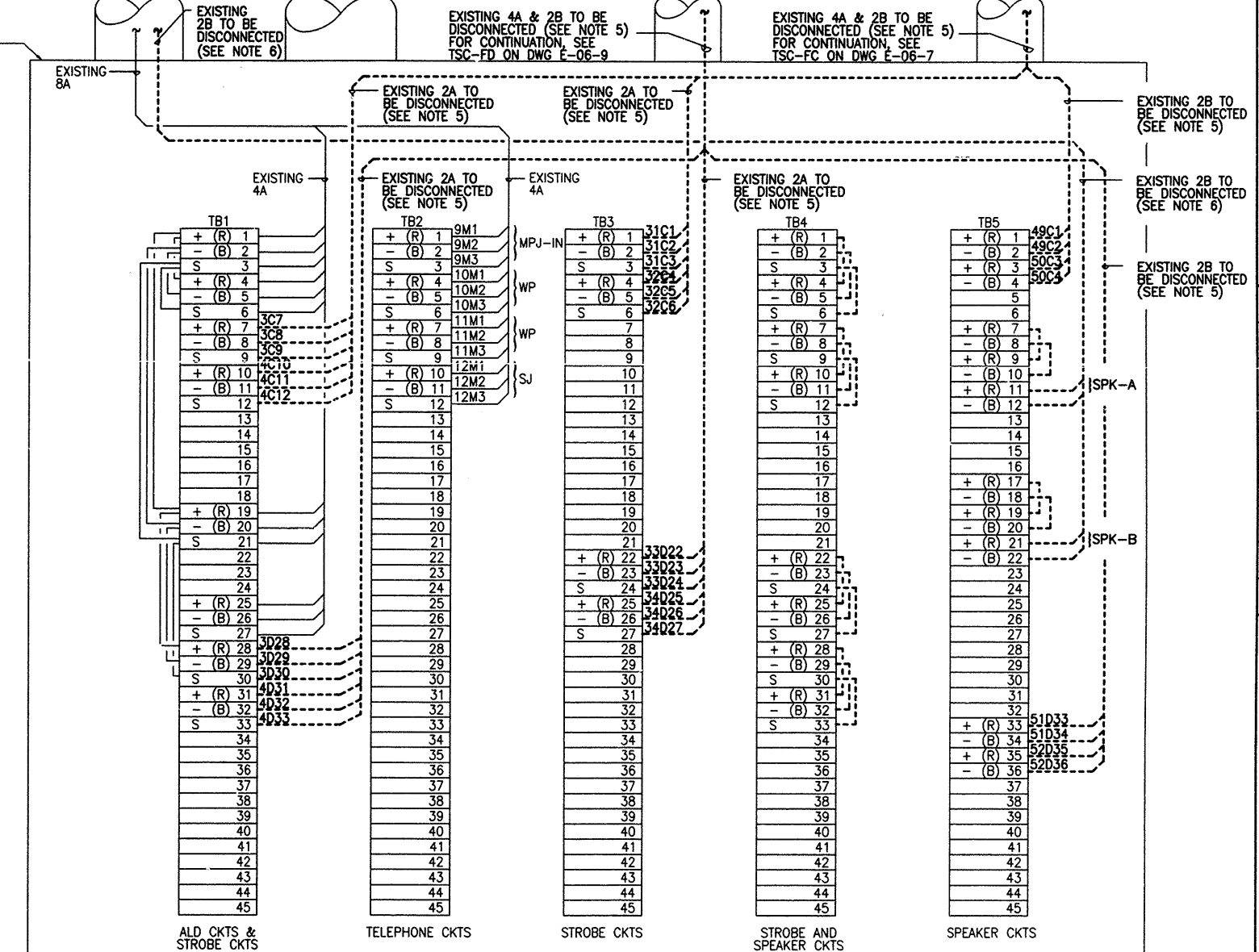


NOTES:

1. FOR LEGEND, ABBREVIATIONS & GENERAL NOTES, SEE DWG E-1.
2. ALL SHIELDS MUST BE ISOLATED FROM GROUND. APPROVED "SHRINK" TUBING SHALL BE USED ON ALL DRAIN CONDUCTORS. SEE TYPICAL SHIELD/DRAIN INSULATING METHOD "A" ON THIS DWG.
3. ALL WIRING SHALL BE FREE OF GROUND FAULTS, OPENS, SHORTS & STRAY VOLTAGES.
4. ALL WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.
5. DISCONNECT AND COMPLETELY REMOVE CABLES FROM BOTH ENDS. ALL WORK SHALL BE DONE ON THE PRESENCE OF THE ENGINEER.
6. DISCONNECT AND REMOVE FROM TSC CABINET, LEAVE COILED IN CEILING. MARK AS "UNUSED". ALL WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.



TSC-I SYSTEM WIRING EXISTING AND REMOVAL



TSC-I FIELD WIRING EXISTING AND REMOVAL

I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF ONE OF THE CONTRACT DRAWINGS CONSTITUTING A PART OF CONTRACT NO. WTC-861.573 IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT THE TIME THE SAID CONTRACT WAS EXECUTED BY THE PARTIES.

DATE 2/1/90 CONTRACT ENGR/ARCH.

DATE 2/1/90 ENGINEERING PROGRAM MGR.

THE PORT AUTHORITY
OF NEW YORK AND
NEW JERSEY

ENGINEERING PROGRAM MANAGER
WORLD-TRADE
CENTER
CHIEF ELECTRICAL ENGINEER

No. Date Revision Approved

ENGINEERING DEPARTMENT

WORLD
TRADE
CENTER

ELECTRICAL

Title
FIRE ALARM SYSTEM
DEVICE UPGRADE
PHASE III
5 WTC 3rd, 4th, 5th & 6th FLOORS

6th FLOOR TSC-I
BLOCK WIRING DIAGRAM
EXISTING AND REMOVAL

This drawing subject to conditions in Contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

S. FELDSTEIN N. PALACIOS A.S.
Designed by Drawn by Checked by

NOVEMBER 26, 1999
Date

WTC-861.573 E-06-5
Contract Number Drawing Number